

1309.43669X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1:1

Applicants:

Hiroshi SUZUKI et al.

Serial No.:

10/802,913

Filed:

March 18, 2004

For:

STORAGE SYSTEM

Group:

2836

Examiner:

A. Amrany

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97 & 1.98

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

February 9, 2007

Sir:

In the matter of the above-identified application, Applicants are submitting herewith a copy of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration. Copies of the U.S. documents are not being enclosed.

This information disclosure statement is being submitted before the mailing date of either a final action or a notice of allowance and is accompanied by the fee of \$180.00 set forth in 37 CFR §1.17(p).

To the extent the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR §1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language translation of the documents.

02/12/2007 MAHMED1 06000018 19802913 81 FC:1806 180.08 OP

1

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (1309.43669X00) please credit any excess fees to such deposit account.

Respectfully submitted,

Carl I. Brundidge

CIB/jdc Registration No. 29,621

(703) 684-1120 MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

OIPE
FEB 0 9 2007
Te TRADEMARK CHE

FORM PT	0-1449	U.S.	Departm	nent of
Commerce	Patent a	and Tra	demark	Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

OFFICE T OF 23	
ATTY. DOCKET NO.	SERIAL NO.
1309.43669X00	10/802,913
APPLICANT Hiroshi SUZUKI et al.	
FILING DATE	GROUP

·		(Use	several	sheets	if nece	rssary)				NG DATE rch 18, 2004		3ROUP 2836	
						U	.S. P	ATE	NT DOC	UMENTS			
EXAMINER INITIAL		DOC	MENT N	UMBER					DATE	NAME	CLASS	SUBCLASS	FILING D
		6	6	3	6	9	3	4	10/03	Linnell	<u> </u>		
	<u> </u>	5	9	5	1	6	9	1	09/99	Ng et al			<u> </u>
		6 .	1	1	5	7	9	7	09/00	Kanda et al			
		6	1	7	3	3	6_	0	1/01	Beardsley et al			
		6_	5	5	3	4	0	8	4/03	Merrell et al			
		6	6	0	6	6	9	0	8/03	Padovano			
		6	7	7	2	3	6	5 .	8/04	Obara			
	2 0 0 4	0	1	6	2	9	4	0	8/04	Yagisawa et al			
·	2 0 0 3	0	2	2	1	0	6	1	11/03	EI-Batal			
FOREIC	SN F	ATE	NT I	OOC	UME	NTS				Ŷ			
		DOCL	MENT N	UMBER					DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
· · · · · · · · · · · · · · · · · · ·		0	8_	4	4	5	6	1	5/98	European			1 753
OTHER	DO	CUN	ENT	S (Ir	nclud	ling	Auth	or, 1	itle, Da	te, Pertinent Pag	ies. Et	c.)	
									<u>-</u>		, ,		****
EXAMINE	ER						DA	TE CC	NSIDER	ED			<u></u>
										gh citation if not in ation to applicant.	conform	nance and	not

									SHEET 2 OF 25			
FORM PTO								ATT	. DOCKET NO.		SERIAL NO.	
Commerce F	aten	t and	1 rad	eman	k Om	ce		130	9.43669X00		10/802,913	
			ON D			_			ICANT ISHI SUZUKI et al.			•
	(Use :	several	sheets	if nece	ssary)				IG DATE ch 18, 2004		GROUP 2836	
					U	S. P.	ATE	NT DOC	UMENTS	٠.		
EXAMINER INITIAL	00CL	JMENT N	UMBER			·		DATE	NAME	ÇLASŞ	SUBCLASS	FILING OA
	6	1	0	8	7	4	8	08/00	Ofek et al			
	6	5	1	0	4	9	1	1/03	Franklin et al			
	6	6	5	1	1	3	7	11/03				
	6	7	0	8	2	3	2	03/04	Obara et al			
	5	5	4	6	5	5	8	8/96	Jacobson et al			
FOREIGN I	PATE	NT (DOC	UME	NTS							•
	DOCL	JMENT N	UMBER					DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
	<u> </u>		,	,	,							YES
	1	3	1	5	0	7	4	5/03	European			
OTHER DO	CUN	IENT	S (Ir	rclud	ling	Auth	or, T	itle, Da	te, Pertinent Pag	jes, E	tc.)	
		•										
EXAMINER						DAT	TE CC	NSIDERI	ED	-		
									gh citation if not in ation to applicant.	confo	mance and	not

					·					SHEET 3 OF 25			
FORM Comme										Y. DOCKET NO. 19.43669X00		SERIAL NO. 10/802,913	
				_	ISCL APP		-			LICANT oshi SUZUKI et al.			
		(Use	several	sheet	s if nec	essary)	<u>.</u>			NG DATE rch 18, 2004		GROUP 2836	
						U	l.S. F	ATE	NT DO	CUMENTS			
EXAMINER INITIAL		DOC	UMENT N	IUMBER					DATE	NAME	CLASS	SUBCLASS	FILING DA
	2 0 0 4	0	1	9	3	7	6	0	9/04	Matsunami et al			·
	2 0 0 4	0	1	9	9	5	1	5	10/04	Penny et al	Į.		
·	2 0 0 2	0	1	3	8	7	0	5	9/02	Suzuki et al			,
	2 0 0 3	0	2	2	1	0	7	7	11/03	Ohno et al			
	2 0 0 4	0	0	1	0	6	6	2	1/04	Aruga			
		7	0	8	0	2	0	1	7/06	Suzuki, et al			-
OTHER	DO	CUN	MENT	rs (I	nclu	ding	Autl	nor,	Title, Da	te, Pertinent Pag	jes, E	itc.)	•
EXAMIN	ER	<u>L</u>					DA	TE C	ONSIDER	ED			
EXAMINI consider	ER:	Initial Inclu	if cit	ation py of	is co	nside	red, o	draw I	line throu ommunic	gh citation if not in ation to applicant.	confo	rmance and	not

			- استانست								SHEET 4 OF 25			
FORM									•	ATT	. DOCKET NO.		SERIAL NO.	
Comme	rce P	aten	t and	Trad	emar	k Offi	ice			130	9.43669X00		10/802,913	
						OSUR LICAN					LICANT Shi SUZUKI et al.			
		(Use	several	sheets	if nece	essary)		•		. –	IG DATE ch 18, 2004		GROUP 2836	
						U	.S. P	ATE	NT	DOC	UMENTS			
EXAMINER INITIAL		DOCI	JMENT N	UMBER						DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR
	2 0 0 4	0	1	2	8	6	2	7	7/	04	Zayas			·
	2 0 0 3	0.	0	9	7	6	0	7	5/	03	Bessire			
	2 0 0 4	0	0	.1	0	6	6	0	1/	04	Konshak et al			
	2 0 0 4	0	0	7	8	7	0	7	4/	04	Apperley et al			
	2 0 0 4	0	0	7	3	7	4	7	4/	04	Lu		·	
	2 0 0 4	0	1	7	7	2	1	8	9/	04	Meehan et al			
OTHER	DO	CUN	IENT	rs (li	nclud	dina	Auth	or.	Title	. Dat	te, Pertinent Pa	ges. E	Etc.)	
							0							
EXAMIN	ER						DA	TE C	ONS	IDERI	ED			
EXAMINI	ER: I	nitial nclud	if cit	ation py of	is co this f	nside iorm v	red, c	draw l	line t	hroug	gh citation if not in ation to applicant.	confo	rmance and	not

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

								i	SHEET 8 OF 25			
FORM PT Commerce									. DOCKET NO.		SERIAL NO.	
						_		1309	9.43669X00		10/802,913	
	STATE							1	ICANT shi SUZUKI et al.			· · · · · ·
	(Use	several	sheets	if nece	ssary)				G DATE c h 18, 2004		GROUP 2836	
					U	.S. P	ATE	NT DOC	UMENTS			
EXAMINER INITIAL	mcı	JMENT N	HURED					DATE	NAME	CLASS	SUBCLASS	FILING DA
	6	6	2	8	5	1	3	9/03	Gallagher et al	1	30000	W Ad / Nov
	6	8	3	1	8	3	9	12/04	Bovell		ĺ	
	6	0	6	1	7	5	0	5/00	Beardsley et al			
	6	7	6	3	4	3	6	7/04	Gabber et al			
	6	7	9	2	4	8	6	9/04	Hanan et al	<u> </u>	•	<u> </u>
	6	1_	3	7	6	7	9	10/00	Chang			<u> </u>
	6	3	5	1	3	7	5	2/02	Hsieh et al	ļ		
	6	4	8	4	2	3	6	11/02	Fujimoto et al			
	6	4	8	4	2	6	9	11/02	Kopylovitz	ļ		
	6	7	2	8	9	2	2	4/04	Sundaram et al	<u> </u>		ļ
	5	4	7	5	8	1	4	12/95	Tomimitsu	<u> </u>	<u> </u>	<u> </u>
FOREIGN	PATE	ENT I	DOC	UME	NTS			*			1	
	DOC	JMENT N	NMBER					DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
	+-	1		T.	T .	Τ.		7/00				YES
OTUED	2	<u> </u>	8	8	8	3	5	7/90	Japan		<u> </u>	<u> </u>
OTHERD									te, Pertinent Paç			• .
	"Fo	regro	ound/l	Backg	roun	d Che	cking	/ol. 38, No g of Parity 55-458.	o. 7, July 1995 (New y in a Redundant A	York), rray of	Independen	t ·
	Lat	orato	ory Au	ıtoma	tion a	and In	form		agement 32, 1996, 3-62.	(Elsevi	er Science I	B.V.),
EXAMINER				•		T		NSIDER				
									gh citation if not in	confor	mance and	not

											SHEET 7 OF 25			
FORM Comme			U and	.S. D Trade	epart emari	ment k Offi	of ce				7. DOCKET NO. 9.43669X00	!	SERIAL NO. 10/802,913	
				ON D			_			APPL	ICANT shi SUZUKi et al.			
		(Use s	everal	sheets	if nece	ssary)					G DATE ch 18, 2004		GROUP 2836	
						U.	S. P.	ATE	NT	DOC	UMENTS			
EXAMINER INITIAL		DOCU	MENT N	UMBER				,		DATE	NAME	CLASS	S SUBÇLASS	FILING DA IF APPROPR
		6	5	0	2	1	0	8	12	702	Day, III, et al			<u> </u>
		6	6	5	8	5	9	2	12	/03	Cohen et al			
	2 0 0 . 2	0	0	0	7	4	6	9	1/	02	Taketa et al			
_	2 0 0 2	0	0	4	0	4	1	3	4/	02	Okada et al			
		6	1	5	4	8 .	5	0	11	/00	idleman et al			
		6	4	0	0	7	3	0	6/	02	Latif, et al			
FOREIC	SN F	ATE	NT [OOC	UME	NTS								
			MENT N				<u>.</u>			DATE	COUNTRY	CLAS	S SUBCLASS	ABSTRACT
	2 0 0 1	1	4	2	6	5	0		5/0	01	. Japan			150
	<u> </u>		<u></u>		<u> </u>	<u> </u>			<u> </u>					
OTHER	DO	CUM	ENT	'S (Ir	cluc	ling	Auth	or, T	itle	, Dat	e, Pertinent Pa	ges, E	Etc.)	
EXAMINE	ER	<u> </u>		_			DAT	TE CC	ONS	IDERE	ED .		·	
EXAMINE consider	ER: I ed. I	nitial nclud	if cita le cop	ation by of	is cor this f	nside v mro	red, d	raw li ext co	ine 1	hroug	ph citation if not in tion to applicant.	confo	rmance and	not

											SHEET 8 OF 25			
FORM Comme											7. DOCKET NO. 9.43669X00		SERIAL NO. 10/802,913	
						OSUF			Γ	APPL	ICANT shi SUZUKI et al.		10/002,913	
		(Use	severa	sheet	if nec	essary)					G DATE ch 18, 2004		GROUP 2836	
						U	.S. F	PATE	NT D	oc	UMENTS			
EXAMINER INITIAL		DOC	UMENT N	UMBER					DA	TE	NAME	CLASS	SUBCLASS	FILING DA
	2 0 0 3	0	0	9	7	5	0	. 4	5/03	3	Oeda et al		·	
	2 0 0 3	0	1	1	5	4	3	7	6/03	3	Tomita			
	2 0 0 3	0	1	4	5	1	6	7	7/03	/03 Tomita				·
	2 0 0 3	0	1 9 6 0					2	10/0	10/03 Nakayama et al				٠.
-	2 0 0 3	0	1	9	6	1	4	7	7 10/03 Hirata et al					
	2 0 0 3	0	2	0	4	6	7	1	10/0)3	Matsunami et al	0		
-														
OTHER	DO	CUN	IENT	S (Ir	nclud	ding	Auth	or, T	Γitle,	Date	e, Pertinent Pag	es, E	tc.)	
	<u> </u>	<u> </u>												
EXAMIN	DATE CONSIDERED													
EXAMINE consider	R: I ed. I	nitial neluc	if cit	ation py of	is co this f	nside orm v	red, d	iraw i	ine the	roug	h citation if not in tion to applicant.	confor	mance and (not
			-3							(Form PTO-1449 [6-	4])		

											SHEET 9 OF 25				
FORM Comme											. DOCKET NO.			ERIAL NO. 0/802,913	
				ON DI							ICANT shi SUZUKI et al.				
		(Use s	everal	sheets	if nece	ssary)					G DATE ch 18, 2004			ROUP 836	
						U	.S. P	ATE	NT	DOC	UMENTS				
EXAMINER INITIAL		DOCU	MENT N	UMBER		1	· · · · · ·	T	L	DATE	NAME	CLAS	s	SUBCLASS	FILING DA
•	2 0 0 4	0	0	2	4.	9	3	0	2/	04	Nakayama et al				l .
	2 0 0 4	0	o	6	8	6	1	0	4/	04	Umberger et al				
	2 0 0 4	0	1	0	7	3	2	5	6/	04	Mori				. •
	-			-			-	-	-						
															1
FOREIG	GN F	ATE	NT I	DOC	UME	NTS		<u>.l</u>	1						
		T	MENT N							DATE	COUNTRY	CLAS	ss	SUBCLASS	ABSTRACT YES
OTHER	DO	CUN	IENT	rs (li	nclud	ling	Auth	or,	Γitle	e, Da	te, Pertinent Pa	ges,	Et	c.)	
EXAMIN	ER	<u> </u>	-				DA	TE C	ONS	IDER	ED	•			
EXAMIN conside	ER: red.	initial Includ	if cit	ation py of	is co this f	nside orm v	red, c	draw i	ine omr	throu nunic	gh citation if not in ation to applicant.	conf	om	nance and	not

GROUP

2836

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

FILING DATE March 18, 2004

						U	<u>.S. P</u>	ATE	NT DOC	UMENTS	-		
EXAMINER INITIAL		DOCL	MENT N	UMBER					DATE	NAME	CLASS	SUBCLASS	FILING O
	2 0 0 1	0	0	4	6	1	1	8	11/01	Yamanashi et al			
	2 0 0 1	0	0	5	4	1	3	6	12/01	Ninomiya et al			
	2 0 0 1	0	0	5	6	5	2	7	12/01	Ninomiya et al			
-	2 0 0 2	0	1	6	2	0	5	7	10/02	Talagala			
	2 0 0 3	0	0	4	1	2	0	1	2/03	Rauscher			
	2 0 0 3	0	1	7	2	1	5	0	9/03	Kennedy			
	2 0 0 4	0	1	1	7	5	3	4	6/04	Parry et al			·
EXAMIN	ER	<u> </u>	<u> </u>				DA	TE C	ONSIDER	ED	<u> </u>		

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

											SHEET 11 OF 25			
FORM	PTO	-1449	9 U	.S. D	eparti	ment	of		7	ATTY.	. DOCKET NO.		SERIAL NO.	
Comme	rce P	atent	and	Trade	emarl	k Offi	ce		1	1309	.43669X00		10/802,913	
					ISCLO APPL						ICANT shi SUZUKI et al.			
		(Use s	everal	sheets	if nece	ssary)					G DATE ch 18, 2004		GROUP 2836	
						U	.S. P	ATE	NT D	OC	UMENTS			
EXAMINER INITIAL		DOCL	IMENT N	UMBER_					DAT	re	NAME	CLASS	SUBCLASS	FILING DA IF APPROPR
	2 0 0 3	0	2	2	1	0	6	1	11/0)3	El-Batal et al			
	2 0 0 3	0	0	4	1	2	7	8	2/03	3	Lin			
	2 0 2 6 7 5 0 0 4								12/0)4	Jibbe et al			
,	2 0 0 5	0	0	2	7	9	0	0	2/05	5	Pettey			
FOREI	GN F	PATE	ENT	DOC	UME	NTS	<u> </u>							
		DOC	UMENT N	IUMBER			•		DA	TE	COUNTRY	CLAS	SUBCLASS	ABSTRACT YES
	9	9	5	0	7	5	4		10/9	99	wo			
OTHER	R DO	CUN	VEN.	TS (I	nclu	ding	Auti	nor,	Title,	Dat	te, Pertinent Pa	ges, E	Etc.)	
EXAMIN	ER						DA	TE C	ONSIE	DERI	ED			
EXAMIN	ER:	Initia Inclu	l if cit	ation	is co	nside form	ered, o	draw next c	line th	nroug	gh citation if not it ation to applicant.	n confo	rmance and	not
				- ,	=				*		(Form PTO-1449 [Net Total	

SHEET 12 OF 25

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY, DOCKET NO.

10/802,913

APPLICANT

Hiroshi SUZUKI et al.

FILING DATE March 18, 2004

1309.43669X00

GROUP 2836

SERIAL NO.

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCU	MENT NL	JMBER				•	DATE	NAME	CLASS	SUBCLASS	FILING D
	2 0 0 3	0	2	3	1	4	2	0	12/03	Kano et al			
-	2 0 0 4	0 -	0	8	8	4	8	2	5/04	Tanzer et al			
	2 0 0 4	0	1	6	9	9	9	6	9/04	Paul et al			
	2 0 0 1	0	0	1.	9	5	0	9	9/01	Aho et al			. · .
	2 0 0 3	0	0	4	6	4	6	0	3/03	Inoue et al			
	2 0 0 4	0	1	3	9	2	6	0	7/04	Steinmetz			
	2 0 0 4	0	1	4	8	3	2	9	7/04	Ogasawara et al			

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

· OIICE: 10 OI 20		_
ATTY. DOCKET NO.	SERIAL NO.	
1309.43669X00	10/802,913	
APPLICANT Hiroshi SUZUKI et al.		
FILING DATE March 18, 2004	GROUP 2836	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCU	M <u>ent N</u>	JMBER					DATE	NAME	CLASS	SUBCLASS	FILING DA
	2 0 0 2	0	0	4	9	8	8	6	4/02	Furuya et al			
	2 0 0 2	0	1	4	4	0	5	7	10/02	Lietal			
	2 0 0 3	0	1	3	1	2	9	1	7/03	Morrison et al			
	2 0 0 3	0	1	6	7	4	3	9	9/03	Talagala et al			
	2 0 0 3	0	0	9	7	4	8	7	5/03	Rietze et al			
	2 0 0 4	0	1	1	1	4	8	5	6/04	Mimatsu et al			
	2 0 0 4	0	2	6	8	0	3	7	12/04	Buchanan, Jr. et al			
	2 0 0 4	0	2	6	8	0	6	9	12/04	Satoyama et al			
EXAMINER							DAT	E CON	SIDERED	<u> </u>		<u> </u>	J

EXAMINER: Initial if citation is considered, draw tine through citation if not in conformance and not considered. Include copy of this with next communication to applicant.

						·					SHEET 14 OF 25			
FORM Commer								•			. DOCKET NO.		SERIAL NO. 10/802,913	
										APPL	ICANT			
6 2 1 9 7 5 3 4/01 Richardson 6 7 7 2 2 8 7 8/04 Uchiyama et al 6 6 8 4 2 8 2 1/04 Kocis 2 0 1 8 2 5 0 2 9/03 Kleiman et al 2 0 0 1 9 8 9 7 2/02 Cruyningen														
						U.	S. P	ATE	NT	DOC	UMENTS			
EXAMINER INITIAL		DOCU	MENT N	UMBER					Ι,	DATE	NAME	CLASS		FILING DA IF APPROPR
			T		9	7	5	3						
		6	7	7	2	2	8	7	8/0	04	Uchiyama et al			
		6	6	8	4	2	8	2	1/0	04	Kocis			
	0	0	1	8	2	5	0	2	9/0	03	Kleiman et al			
	0	0	0	1	9	8	9	7	2/	02	Cruyningen			
	2 0 0 4	0	2	4	3	3	8	6	12	2/04	Stolowitz et al			
FOREIC	SN P	ATE	NT I	DOC	UME	NTS				-				•
			MENT N			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT .
	2 0 0 3	3	6	1	4	6			2/	03	Japan			
OTHER	DO	CUN	IENT	rs (Ir	nclud	ding	Auth	or, 1	Fitle	, Dat	e, Pertinent Pa	ges, E	tc.)	
-	_					···								
EXAMINI	ER	<u>.</u>			•		DA	TE C	ONS	IDERE	ED			······································
EXAMINI consider	ER: ed.	Initial Inclu	if cit de co	ation py of	is co this t	nside orm v	red, c	Iraw I ext c	line i omn	throug nunica	gh citation if not in ation to applicant.	confo	rmance and	not

								**************************************		SHEET 15 OF 25				
FORM Comme	PTO ce P	-1449 atent	U and	.S. De Trade	epartı emark	nent Offic	of e			. DOCKET NO. 9.43669X00			ERIAL NO. 0/802,913	
					SCLC APPL				APPI	ICANT ISHI SUZUKI et al.	-		•	
		(Use s	everal	sheets	if nece	ssary)	٠.			G DATE ch 18, 2004			ROUP 836	
						U.	S. P.	ATEI	NT DOC	UMENTS				
EXAMINER INITIAL		DOCU	MENT N	UMBER					DATE	NAME	CLAS	s	SUBCLASS	FILING DA
	2 0 0 3	0,	2	1	2	8	5	9	11/03	Ellis				
	2 0 0 4	.0	1	4	8	4	6	0	7/04	Steinmetz				
	2 0 0 4	0	1	4	8	4	6	1	7/04	Steinmetz			·	
	2 0 0 4	0	2	3	6	9	0	8	11/04	Suzuki et al				
	2 0 0 3	0	1	1	0	3	3	0	6/03	Fujie et al				
		5	8	4	5	3	1	9	12/98	Yorimitsu				
	2 0 0 3	0	1	4	9	8	4	0	8/03	Bolt, et al				
OTHE		CUN	IEN.	TS (I	nclu	dina	Auti	hor,	Title, Da	ite, Pertinent P	ages,	Et	c.)	
	T													
EXAMIN	IER .	Sei	rial A	ttach	ed SC	SI an			ONSIDER	atibility, Intel, 2003 RED	<u>c, pp. 1</u>	-0.		
EXAMIN	IER:	Initia Inclu	l if cli	tation	is co	nside form	ored,	draw next c	line throu	ugh citation if not cation to applicant	In conf t.	оп	mance and	not

					·						SHEET 1	8 OF 25				ونطوسون
										ATTY.	DOCKET NO.		SE	RIAL NO) .	
Comme	rce I	Pater	nt an	d Tra	adem	ark (Office	•		1309	.43669X00		10	/802,9	13_	
												ot.			•	
													~ .			
	<u> </u>	3646	1013	iicci.	3 11 11	•			NT C	OOC	UMENTS					
EXAMINER.		DOC	JMENT	NUMBE	R		· · · · · · · · · · · · · · · · · · ·		DA	ATE	NAME	c	LASS	SUBC	LASS	IF
	2 0 0 2	0	1	4	4	0	4	8	10/	02	Bolt, et al					
,	2 0 0 2	0	1	4	7	9	4	5	10/	02	Fox et al				•	
	2 0 0 4	0	1	5	3	. 6	1	4	5/0	4	Bitner et al					
	2 0 0 3	0	1	6	3	6	3	9	8/0		Baum					
		5	В	3	2	2	0	4	11/	98	Apperley et a	1				
_		6	2	4	0	4	8	6	5/0)1 <u> </u>	Ofek et al		•			
FOREIC	N F	ATE	NT	DOC	UME	NTS					,					•
		T							D	ATE	COUNTRY	CLASS	SUB	CLASS	ABS1	RACT
			T .	,		· · · · · ·	т	·	<u> </u>				_		Y	ES
		5	1	5	0	9	0	·g	6/9	13	Japan		<u> </u>			
	1	0	3	0	1_	7	2	0	11/	/98	Japan	<u> </u>			Eng.	Trans
OTHER	DO	CUN	IEN1	rs (lı	nclu	ding	Auth	or, 1	Title,	, Dat	e, Pertinent	Page	s, Etc	:.)		
EXAMINI	ER						DA	TE C	ONSI	DER	ED					
DATE NAME CLASS SUBCLASS IF APPROPRIATE																

FORM PTO-1449 U.S. Department of

Commerce Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY, DOCKET NO.	SERIAL NO.
1309.43669X00	10/802,913
APPLICANT	

FILING DATE March 18, 2004 **GROUP** 2836

Ų	.S.	PAT	ENT	DOCUM	ents

						Ų.	.y. r	~! ~	NI DOC	CIVILIAIS			
EXAMINER INITIAL		DOCL	MENT N	UMBER					DATE	NAME	CLAS8	SUBCLASS	FILING DA
		6	4	4	9	7	0	9	09/02	Gates			
		6_	6	8	4	2	9	5	1/04	Fujimoto et al			
		6	7	4	5	2	8	7	6/04	Fujimoto et al		ļ	
	2 0 0 3	0	1	1	0	3	3	0	06/03	Fujie et al			
	2 0 0 3	0	2	1	2	8	5	9	11/03	Eilis et al			;
	2 0 0 3	0	2	2	1	0	6	1	11/03	El-Batal et al			
	2 0 0 3	0	0	4	1	2.	7	8	2/03	Lin			
	2 0 0 4	0	0	7	8	7	0	7	04/04	Apperley et al			
	2 0 0 4	0	0	1	0	6	6	0	1/04	Konshak			•
EYAMIN	<u></u>	•		•	-		100	TE C	ONSIDER	ED			

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Available 1	•		,_,_							W	SHEET 19 OF 25			
Hiroshi SUZUKi et al. Filing DATE GROUP 2836	FORM Comme	rce P IN	atent IFORI	and MATI	Trade ON DI	emad SCL0	k Offi SUR	ce E		130	9.43669X00	1		
March 18, 2004 2836	•	S	TATE	MEN	T BY	APPL	ICAN	T .				·····		
DATE NAME CLASS SUBCLASS FAMENCE			(Use s	everal	sheets	If nece	ssary)							
DOCUMENT NUMBER							U	S. P	ATE	NT DO	UMENTS			
2	EXAMINER INITIAL		DOCU	MENT N	UMBER					DATE	NAME	CLASS	SUBCLASS	FILING DA
		0	0	1	1	7	4	6	8	06/05	Kano et al			
0		0	0	1	2	0	2	6	3	06/05	Kano et al			
0		0	0	1	2	0	2	6	4	06/05	Kano et al			
FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER		0	0	1	5	4	9	4	2	7/05	Kano et al			
DATE COUNTRY CLASS SUBCLASS ABSTRACT YES 0 9 3 3 0 1 8 4 12/97 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER DATE CONSIDERED			6	2	8	2	6	0	2	8/01	Blumenau et al			
DATE COUNTRY CLASS SUBCLASS ABSTRACT YES 0 9 3 3 0 1 8 4 12/97 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER DATE CONSIDERED										ļ				
DATE COUNTRY CLASS SUBCLASS ABSTRACT YES 0 9 3 3 0 1 8 4 12/97 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER DATE CONSIDERED		<u> </u>								<u> </u>		<u> </u>		
O 9 3 3 0 1 8 4 12/97 Japan XX OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER DATE CONSIDERED	FORE	GN F	T			UME	NTS			DATE	COUNTRY	CLASS	SURCIASS	ABSTRACT
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER DATE CONSIDERED			1000	JMENTR	UMBER					Unic			0000	
EXAMINER DATE CONSIDERED		0	9	3	3	0	1	8	4	12/97	Japan	1	<u> </u>	XX
	OTHER	R DO	CUN	VEN.	rs (li	nclu	ding	Auti	or,	Title, Da	nte, Pertinent Pa	ges, E	tc.)	
								T						
EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not	EXAMIN	ER						DA	TE C	ONSIDER	RED			
considered. Include copy of this form with next communication to applicant.	EXAMIN	ER:	Initia	if cit	ation	is co	nside	ered, (draw	line thro	ugh citation if not in	confo	rmance and	not

		DOCU	MENT N	UMBER			•		DATE	COUNTRY	CLASS	SUBCLASS	ABŞTRACT
	2 0 0 1	3	3	7	8	6	8		12/01	Japan			XX ·
	2 0 0 1	1	6	7	0	4	O		6/01	Japan			xx
		9	3	3	0_	1_	8	2	12/97	Japan		·	ХХ
		1	0	0	1	3	4	5	5/00	European		<u> </u>	
EXAMINER			_			_	DAT	E CON	SIDERED				

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this: with next communication to applicant.

				_						SHEET 21 OF 25					
FORM Commen										ATTY. DOCKET NO. 1309.43669X00			SERIAL NO. 10/802,913		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT									APPLICANT Hiroshi SUZUKI et al.						
		(Use s	everal	sheets	if nece	ssary)	_			NG DATE rch 18, 2004		GROUP 2836			
						U	.S. P	ATE	NT DO	UMENTS			any Almanda a		
EXAMINER INITIAL		DOCL	MENT N	UMBER					DATE	NAME	CLASS	SUBCLASS	FILING DA		
	2 0 0 2	0	0	6	2	3	8	7	5/02	Yatziv					
	2 0 0 2	0	0	6	2	4	5	4	5/02	Fung					
	2 0 0 3	0	1	8	9	8	1	1	10/03	Peeke et al					
	2 0 0 3	0	1	3	5	5	7	7	7/03	Weber et al					
	2 0 0 4	0	1	1	7	5	1	7	6/04	Beauchamp et al					
	_	<u> </u>			<u> </u>	<u> </u>				<u> </u>		<u> </u>			
FOREIC	SN F	PATE	NT	DOC	UME	NTS	<u> </u>				· ·				
		DOC	UMENT A	IUMBER					DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT YES		
								·				1	<u> </u>		
OTHER	DO	CUN	IEN'	rs (I	nclu	ding	Aut	hor,	Title, Da	ate, Pertinent Pa	ges, E	tc.)			
		ES	G Pro	duct	Brief	EMC	, Mar	ch 200	3, CLAR	iiON with ATA, pp.	1-2.				
EXAMIN	ER			-			DA	TÉ C	ONSIDE	RED					
EXAMINI	ER:	Initia Inclu	l if cit	ation py of	is co	nside form	ered,	draw next c	line thro	ugh citation if not in cation to applicant.	confor	mance and	not		

			·								SHEET 22 OF 25				
FORM Commer										ATTY. DOCKET NO. SERIAL NO.					
00							_			1309.43669X00 10/802,913					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT											ICANT shi SUZUKI et al.	· · · · · · · · · · · · · · · · · · ·			
(Use several sheets if necessary)											FILING DATE GROUP March 18, 2004 2836				
						U.	S. P.	ATE	NT_	DOC	UMENTS		•		
EXAMINER INITIAL								DATE	NAME	CLASS	SUBCLASS	FILING DA			
	2 0 0 1	0	0	1	4	9	5	6	8/	01	Nagata et al				
···															
			<u> </u>						L					<u> </u>	
FOREIG	SN F	ATE	NT [ooc	UME	NTS								• _ • ::	
		DOCU	MENT N	JMBER						DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
			_					-	_						
OTHER		CUN	ENIT	<u> </u>	sclue	lina	Auth	or 1	riel/	n Dat	te, Pertinent Pa	nes F	ite)	J	
OTHER		EM	C CL/	ARiiO	N Ba	ckup	Stora	ge Sc	oluti	ions B	ack-up-to-Disk Gu	ide wit	h LEGATO	3.	
		EM	C CL/	ARIIO	N Ba	ckup	Stora	ge Sc	olut	ions B	ackup-to-disk Gui ngineering White	de with	Computer		
*		EM Gal	C CL/ axy, I	ARiiO Engin	N Ba	ckup g Wh	Stora Ite Pa	ge Soper,	olut 3/3/2	lons E 2003, j	ackup-to-Disk Gui pp. 1-26.	de wit	n CommVaul	t .	
										ions E . 1-10.	ackup-to-Disk Gui	ide: An	Overview,		
		EM Ass	C CL/	ARIIO es Bi	N Ba	ckup tor E	Stora nterp	ge Sorise E	olut Baci	ions B cup, E	lackup-to-Disk Gui ngineering White I	ide witi Paper,	h Computer 4/16/2003, pr	o. 1-23.	
EXAMIN	ER						DA	TE C	ONS	SIDER	ED			•	
EXAMIN consider	ER:	Initial Includ	if cit	ation py of	is co this f	nside	red, c	iraw lext c	line	throu munic	gh citation if not ir ation to applicant.	n confo	rmance and	not	

FORM PTO-1449 (REV. 7-80)				U.S. DEPARTA PATENT AND	MENT OF COMMERCE TRADEMARK OFFICE	ATTY. DOCKET NO. 1309.43669X00	SERIAL 10/80	NO. 12,913	
	ICT :	OE DO	CUMEN	TS CITED BY A	PPI ICANT	APPLICANT H. Suzuki, et al			
	131			sheets if necessar		FILING DATE	GROUP		
						March 18, 2004	2836		
					U.S. PATENT	DOCUMENTS			
* EXAMINER INITIAL		DOC	CUMENT	DATE		NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
	AA	6,76	3,409	07/13/04	Elliott, Step	hen J.			
	AB	5,81	2,754	09/22/98	Liu et al				
	AC	5,43	2,046	06/06/95	Nunnelley et a	al			
		-		12/08/98	Kang et al				
	Æ	2002 0624		05/23/02	Fung, Henry T	•			
	AF	5,80	5,788	09/08/98	Johnson	The state of the s			
	AG	2004 0221	•	11/04/04	Voorhees et al	1		i	
	AH								
	AI								
	AJ.								
	AK								
					FOREIGN PATE	NT DOCUMENTS			
		DOCUMENT		DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES NO
	AL								
	АМ	0795	824	09/17/97	EP				
	AN	•							
	AO							<u> </u>	
	AP			<u> </u>					
			. (OTHER DOCUM	MENTS (Including Au	thor, Title, Date, Pertinent P	ages, elc.)		
	AR		Judd,	Ian, "Devic	e Services Int	erface", Online, Ju	une 19, 1	.996, pp.	1-8.
	AS		"Verita	as Volume M	anager Storage	Administrator 3.2	, Adminis	trator's	Guide",
			Verita	s Software	Corporation, C	online, July, 2001,	pp. 1-18	4.	
	AT		informa	ation, avai		SCSI/Fibre-toSATA //www.synetic.net/ 0-800SA.html			
EVANUES.			"SATA Networ	Disk System	2004.	of Unit offer 3.5	TB stora	ge", Produ	ıct Newa
EXAMINER					ľ°	PATE CONSIDERED			
			_		1				

FORM PTO-1449 (REV. 7-80)			U.S. DEPART PATENT AND	MENT OF COMMERCE TRADEMARK OFFICE	1309.43669X00		SERIAL NO. 10/802, 913						
	10T	os poclimen	TS CITED BY A	DOLICANT	APPLICANT								
L	181		sheets if necessar		H. Suzuki, et FILING DATE	IGROUP							
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			March 18, 2004								
	U.S. PATENT DOCUMENTS EXAMINER DOCUMENTS FILING DATE												
* EXAMINER INITIAL		DOCUMENT	DATE		NAME	CLASS	SUBCLASS		DATE opriate)				
	AA	2002/ 0069317	06/06/02	Chow et al									
	АВ	2002/ 0069334	6/06/02	Hsia et al									
	AC	2003/ 0031187	02/13/03	Heffernan et a	11				,				
	AD	2003/ 00221061	11/27/03	El-Batal et al	•								
	AE	2004/ 0010660	01/15/04	Konshak et al									
	AF	2004/ 0034731	02/19/04	Sivertsen									
	AG	2004/ 0193791	09/30/04	Felton et al									
	АН								•				
	AI				,								
	AJ								-				
•	AK			<u> </u>	WATE A		<u> </u>						
				· · · · · · · · · · · · · · · · · · ·	NT DOCUMENTS			TRANS	LATION				
-		DOCUMENT	DATE	C	OUNTRY	CLASS	SUBCLASS	YES	NO				
	AL AM		,					ᆜ					
	AN												
	AO												
	AP												
		· (OTHER DOCUM	NENTS (Including Aut	hor, Title, Date, Pertin	ent Peges, etc.)							
	AR	SGI In	finiteStora	ge TP9300S Sto	rage Array, Dat	a Sheet, ava	ilable at	:					
				m/pdfs/3643.pd			-						
	AS				ID, Data Sheet,								
		http://	ww.sunstar	co.com/PDF%20F	iles/Adaptec%20)FS4500%20SAT	A.pdf ————						
	AT					<u>, , , , , , , , , , , , , , , , , , , </u>							
XAMINER				<u>In</u>	ATE CONSIDERED								

FORM PTO-1449 (REV. 7-80)		U.S. DEPART PATENT AND	MENT OF COMMERCE TRADEMARK OFFICE	E 1309.43669X00 10/802,913							
	ют	OE DOCUMEN	TS CITED BY A	DDLICANT	APPLICANT						
L	101		sheets if necessal		H. SUZUKI et al FILING DATE	IGROUP					
				**	March 18, 2004	2836	······································				
				U.S. PATENT	DOCUMENTS						
* EXAMINER INITIAL		DOCUMENT	DATE	•	NAME	CLASS	SUBCLASS	FILING (II Appr			
	AA	2005/ 0138154	06/23/05	Seto							
	AB	2005/ 0097132	05/05/05	Cochran et al							
	AC	2004/ 0148460	07/29/04	Steinmetz et a	1 .		·				
	AD	6,834,326	12/21/04	Wang et al							
	ΑE										
	AF										
	AG		·.· · · · · · · · · · · · · · · · · · ·						· ·		
	AH										
	Al				· · · · · · · · · · · · · · · · · · ·						
	AJ										
	AK		<u> </u>	·							
	FOREIGN PATENT DOCUMENTS COUNTRY COUNTRY TRANSLATION										
		DOCUMENT	DATE	C	OUNTRY	CLASS	SUBCLASS	YES	NO		
	AL				M	 		믬	片		
	AM								 		
	AN							片	井		
-	AO AP					· · · · · · · · · · · · · · · · · · ·			븕		
	AP		THER DOCUM	ENTS (Includios Aut	hor, Title, Date, Pertinent P	nan ata l	<u> </u>	_ لــا			

	AR		informatio		1211 FC-to-SATA RA: t: http://www.infor			ct/a1	6f-		
	\dashv	_			•						
	AS				.						
			·								
	AT		<u> </u>	<u> </u>		_					
EXAMINER					ATE CONSIDERED		_				
									1		